

LISTING OF CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A common-mode filter comprising:

a magnetic or non-magnetic drum type core including a core portion, and a pair of flange portions disposed on opposite sides of said core portion so as to be integrated with said core portion;

electrodes provided on said pair of flange portions of said drum type core; and

at least two wires wound on said core portion of said drum type core and having ends connected to said electrodes respectively,

wherein each of said flange portions of said drum type core has a groove between corresponding two of said electrodes, and a separation protrusion for separating said groove into two;

said wires are wound on said core portion of said drum type core in such a distributed winding manner that an inter-wire distance $[(a)]$ between said wires is provided so that no part of any wound wire, including any insulating portion of a wound wire, contacts any other part of any other wound wire, and a winding pitch $[(b)]$ between adjacent turns of each of said wires ~~are~~ is also provided; and

said wires are one-by-one led out through said grooves while separated by said separation protrusions so that said ends of said wires are connected to respective ones of said electrodes ~~respectively, wherein~~

the separation protrusion has a width greater than the inter-wire distance.

2. (Previously Presented) A common-mode filter according to claim 1, further comprising a magnetic or non-magnetic plate-shaped core fixed between top surfaces of said pair of flange portions of said drum type core.

3. (Previously Presented) A common-mode filter according to claim 1, further comprising a composite magnetic material provided for bridging over a space between top surfaces of said pair of flange portions of said drum type core.

4. (Original) A common-mode filter according to any one of claims 1 through 3, wherein said drum type core is made of ferrite containing 40 mol % to 49.8 mol % of Fe_2O_3 , 10 mol % to 33 mol % of ZnO , 2 mol % to 10 mol % of CuO , 1 mol % or less of Mn_2O_3 , and the residual part of NiO and further containing 0.03 wt % to 0.5 wt % of SiO_2 .

5. (Currently Amended) A common-mode filter comprising:
a magnetic or non-magnetic drum type core including a core portion, and a pair of flange portions disposed on opposite sides of said core portion so as to be integrated with said core portion;

electrodes provided on said pair of flange portions of said drum type core; and
at least two wires wound on said core portion of said drum type core and having ends connected to said electrodes respectively,

wherein said core portion of said drum type core has a plurality of positioning convex or concave portions formed for positioning said at least two wires so that no part of any wound wire, including any insulating portion of a wound wire, contacts any other part of any other wound wire, while keeping the pitch between said at least two wires constant.

6. (Previously Presented) A common-mode filter according to claim 5, further comprising a magnetic or non-magnetic plate-shaped core fixed between top surfaces of said pair of flange portions of said drum type core.

7. (Previously Presented) A common-mode filter according to claim 5, further comprising a composite magnetic material provided for bridging over a space between top surfaces of said pair of flange portions of said drum type core.

8. (Original) A common-mode filter according to any one of claims 5 through 7, wherein said drum type core is made of ferrite containing 40 mol % to 49.8 mol % of Fe_2O_3 , 10 mol % to 33 mol % of ZnO , 2 mol % to 10 mol % of CuO , 1 mol % or less of Mn_2O_3 , and the residual part of NiO and further containing 0.03 wt % to 0.5 wt % of SiO_2 .